- 1. (amended) A process for the production of multiphase cleaning tablets comprising the steps of
- a) tabletting a particulate premix to form tablets with a cavity,
 - preparing a melt suspension or emulsion from a coating material with a melting point above 30°C and one or more active substance(s) dispersed or suspended therein, filling the cavity tablets with the melt suspension or emulsion at a temperature[s] above the melting point of the coating material.
- d) cooling and optionally aftertreating the filled cleaning tablets
- 2. (amended) [A] <u>The process as claimed in claim 1, wherein</u> [characterized in that] the particulate premix tabletted in step a) contains builders in quantities of 20 to 80% by weight, [preferably in quantities of 25 to 75% by weight and more preferably in quantities of 30 to 70% by weight,] based on the premix.
- 3. (amended) [A] <u>The process as claimed in claim 1 [or 2, characterized in that], wherein the particulate premix tabletted in step a) contains surfactant(s)[, preferably nonionic surfactants(s),] in quantities of 0.5 to 10% by weight [, preferably in quantities of 0.75 to 7.5% by weight and more preferably in quantities of 1.0 to 5% by weight,] based on the premix.</u>
- 4. (amended) [A] The process as claimed in [any of] claim[s] 1 [to 3, characterized in that], wherein the particulate premix

W CONTENT COLUMN

tabletted in step a) has a bulk density above 600 g/l[, preferably above 700 g/l and more preferably above 800 g/l].

- 5. (amended) [A] The process as claimed in [any of] claim[a] 1 [to 4, characterized in that], wherein the particulate premix tabletted in step a) has a particle size distribution where less than 10% by weight[, preferably less than 7.5% by weight and more preferably less than 5% by weight] of the particles are larger than 1600 μ m or smaller than 200 μ m.
- 6. (amended) [A] <u>The</u> process as claimed in claim 5, [characterized in that], wherein the particulate premix tabletted in step a) has a particle size distribution where more than 30% by weight[, preferably more than 40% by weight and more preferably more than 50% by weight] of the particles are between 600 and 1,000 μ m in size.
- 7. (amended) [A] <u>The process as claimed in [any of] claim[s] 1</u> [to 6, characterized in that], <u>wherein multilayer tablets</u> comprising a cavity are tabletted [in known manner] in step a) by pressing several different particulate premixes onto one another.
- 8. (amended) [A] The process as claimed in claim 7, [characterized in that], wherein two-layer tablets comprising a cavity are tabletted in step a) by pressing onto one another [two different] a first particulate premix[es] and a second particulate premix, wherein the first premix [of which one] contains one or more bleaching agents and the [other] second premix contains one or more enzymes.
- 9. (amended) [A] <u>The</u> process as claimed in claim 7 [or 8, characterized in that], <u>wherein</u> two-layer tablets comprising a

cavity are tabletted in step a) by pressing onto one another [two different] a first particulate premix[es] and a second particulate premix, wherein the first premix [of which one] contains one or more bleaching agents and the [other] second premix contains one or more bleach activators.

- 10. (amended) [A] <u>The process as claimed in [any of] claim[s] 1</u> [to 9, characterized in that], <u>wherein</u> the coating material in step b) has a melting range of 45°C to 75°C.
- 11. (amended) [A] <u>The process as claimed in [any of] claim[s] 1</u> [to 10, characterized in that], wherein the coating material contains at least one paraffin wax with a melting range of 50°C to 55°C.
- 12. (amended) [A] The process as claimed in [any of] claim[s] 1 [to 10, characterized in that], wherein the coating material contains at least one substance selected from the group consisting of polyethylene glycols (PEGs) [and/or], polypropylene glycols (PPGs), and mixtures thereof.
- 13. (amended) [A] The process as claimed in [any of] claim[s] 1 [to 12, characterized in that], wherein the coating material makes up 20 to 95% by weight[, preferably 30 to 70% by weight and more preferably 40 to 50% by weight] of the melt suspension or emulsion prepared in step b).
- 14. (amended) [A] <u>The process as claimed in [any of] claim[s] 1</u> [to 13, characterized in that], <u>wherein</u> the active substance(s) in the melt suspension or emulsion prepared in step b) [is/are] <u>comprises a member</u> selected from the group <u>consisting</u> of enzymes, bleaching agents, bleach activators, surfactants, corrosion

inhibitors, scale inhibitors, cobuilders, [and/or] perfumes, and mixtures thereof.

- 15. (amended) [A] <u>The process as claimed in claim 14,</u> [characterized in that], <u>wherein</u> the active substance(s) in the melt suspension or emulsion prepared in step b) [is/are] <u>comprises a member selected from the group consisting of nonionic surfactants[, more particularly alkoxylated alcohols].</u>
- 16. (amended) [A] <u>The process as claimed in claim 14,</u> [characterized in that], <u>wherein</u> the active substance(s) in the melt suspension or emulsion prepared in step b) [is/are] <u>comprises a member</u> selected from the group <u>consisting</u> of oxygen <u>bleaching agents</u> or halogen bleaching agents[, more particularly chlorine bleaching agents].
- 17. (amended) [A] The process as claimed in claim 14, [characterized in that], wherein the active substance(s) in the melt suspension or emulsion prepared in step b) [is/are] comprises a bleach activator selected from the group consisting [of bleach activators, more particularly from the groups] of polyacylated alkylenediamines, [more especially tetraacetylethylenediamine (TAED),] N-acylimides, [more particularly N-nonanoylsuccinimide (NOSI),] acylated phenol sulfonates, [more particularly n-nonanoyl- or isononanoyl-oxybenzenesulfonate (n- or iso-NOBS),] n-methyl morpholinium acetonitrile methylsulfate (MMA), and mixtures thereof.
- 18. (amended) [A] <u>The process as claimed in [any of] claim 1 [to 17, characterized in that], wherein the active substance(s) [make(s) up] comprises 5 to 50% by weight[, preferably 10 to 45% by weight and more preferably 20 to 40% by weight] of the melt</u>

suspension or emulsion prepared in step b).

- 19. (amended) [A] The process as claimed in [any of] claim[s] 1 [to 18, characterized in that], wherein the melt suspension or emulsion prepared in step b) contains [other auxiliaries] an auxiliary selected from the group consisting of antisedimenting agents, antisettling agents, antifloating agents, thixotropicizing agents [and], dispersion aids, and mixtures thereof in quantities of 0.5 to 8.0% by weight, [preferably in quantities of 1.0 to 5.0% by weight and more preferably in quantities of 1.5 to 3.0% by weight,] based on the melt suspension or emulsion.
- 20. (amended) [A] The process as claimed in [any of] claim[s] 1 [to 19, characterized in that], wherein the melt suspension or emulsion prepared in step b) additionally contains an emulsifier[s] selected from the group consisting of fatty alcohols, fatty acids, polyglycerol esters [and/or], polyoxyalkylene siloxanes, and mixtures thereof in quantities of 1 to 20% by weight, [preferably in quantities of 2 to 15% by weight and more preferably in quantities of 2.5 to 10% by weight,] based on the melt suspension or emulsion.
- 21. (amended) [A] <u>The process as claimed in [any of] claim[s] 1</u> [to 20, characterized in that], <u>wherein</u> step c) is carried out at temperatures at most 10°C, [preferably at most 5°C and more preferably at most 2°C] above the solidification temperature of the melt suspension or emulsion.
- 22. (amended) [A] <u>The process as claimed in [any of] claim{s} 1</u> [to 21, characterized in that], wherein, in step c), the melt suspension or emulsion is introduced into the cavity tablet by a